

# Surface Water Data Viewer (SWDV)

## Update, August 2007



The Surface Water Data Viewer is the Wisconsin Water Program's vehicle for sharing GIS and related data with others. These datasets have been reviewed and documented to provide you with the best possible information we have available. Please note the significant updates and new layers now available.

For questions or comments, please email: **Matt Rehwald in the Bureau of Watershed Management** ([matt.rehwald@wisconsin.gov](mailto:matt.rehwald@wisconsin.gov)).

### New Folders & Datasets

- **Fisheries Management Waters**
  - **Muskellunge Waters** (*new!*)
  - **Sturgeon Waters** (*new!*)
  - **Smallmouth Bass Waters** (*new!*)
  - **Walleye Waters** (*new!*)
  - **Trout Streams** (*moved to this folder*)
- **Monitoring & Assessments** (Formerly "Resource Management Data")
- **Invasive Species**
  - **Eurasian Water-Milfoil** (*moved to this folder*)
  - **Zebra Mussels** (*moved to this folder*)
  - **Reed Canary Grass Infestations** (*new!*)
- **Wetlands, Plants & Habitat**
  - **Wisconsin Wetland Inventory** (*new!*)
  - **Critical Habitat Areas** (*new!*)
  - **Upland Protection Areas** (*new!*)
  - **Wild Rice Waters** (*new!*)
  - **High Quality Wetland Waters** (*new!*)
  - **Wetland Restorations** (*new!*)
- **Permits & Related Data**
  - **Designated Waters** (*moved to this folder*)
  - **Land spreading Pilot Project** (*moved to this folder*)
  - **Waterway & Wetland Alterations** (*moved to this folder*)
  - **Erosion Control General Permit Availability** (*new!*)
  - **Surface Water Outfalls** (*moved to this folder*)
- **Grant Locations**
  - **Non-point source (NPS) Grants** (*new!*)
  - **Lake Grants** (*new!*)
  - **River Grants** (*new!*)
- **Recreation & Trails**
  - **Boating Ordinances** (*new!*)
- **Forests & Landcover**
  - **Omernik Ecoregions** (*new!*)
- **Imagery & Basemaps**
  - **2005 NAIP Color Air Photos** (*new!*)
  - **Color Photos-24K Topo Merge** (*new!*)

Please note that not all datasets are complete. **Blue hyperlinks** take you to *data descriptions* that provide information on completeness and disclaimers.



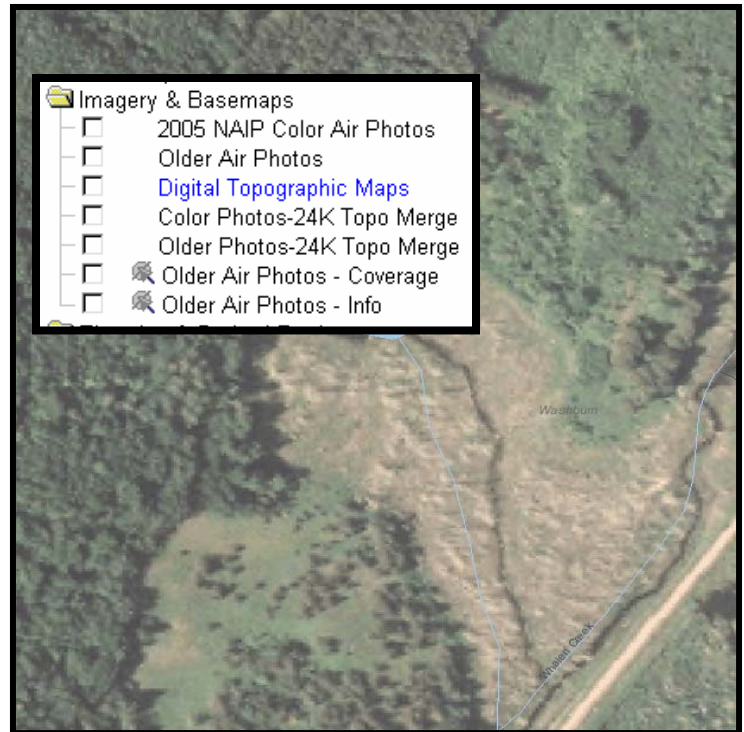
## New Datasets of Special Note:

### 2005 NAIP Color Air Photos

The 2005 NAIP Color Air Photos (Leaf-on) are now available, in addition to the previously available DOPs. A "merge" of the color air photos and USGS 1:24000 topo maps is also available.

**Identify Results**

**Coordinate Position**  
**Lat/Lon:** 45° 19' 32.3" N, 91° 19' 12.9" W  
**Decimal Lon/Lat:** -91.320268, 45.325655  
**UTM 15N:** 631636, 5020500  
**WTM91 (x,y):** 416533, 539975  
**Older Air Photo Information**  
**COUNTY:** RUSK COUNTY  
**Imagery Year:** 1998  
**County Boundary**  
**County Name:** Rusk  
**DNR County Code:** 55  
**DNR Region:** Northern Region



### Erosion Control General Permit Availability

This layer is used to determine which types of general permits are available for a waterway alteration project.

**Wisconsin DNR Surface Water Data Viewer** - Microsoft Internet Explorer provided by Wisconsin DNR  
Address: <http://www.dnr.state.wi.us/dnr/surfacewaterviewer>

**Surface Water Data Viewer - Dam Theme**  
Layers - Legend - Find Location - Themes - Select - Help - Print

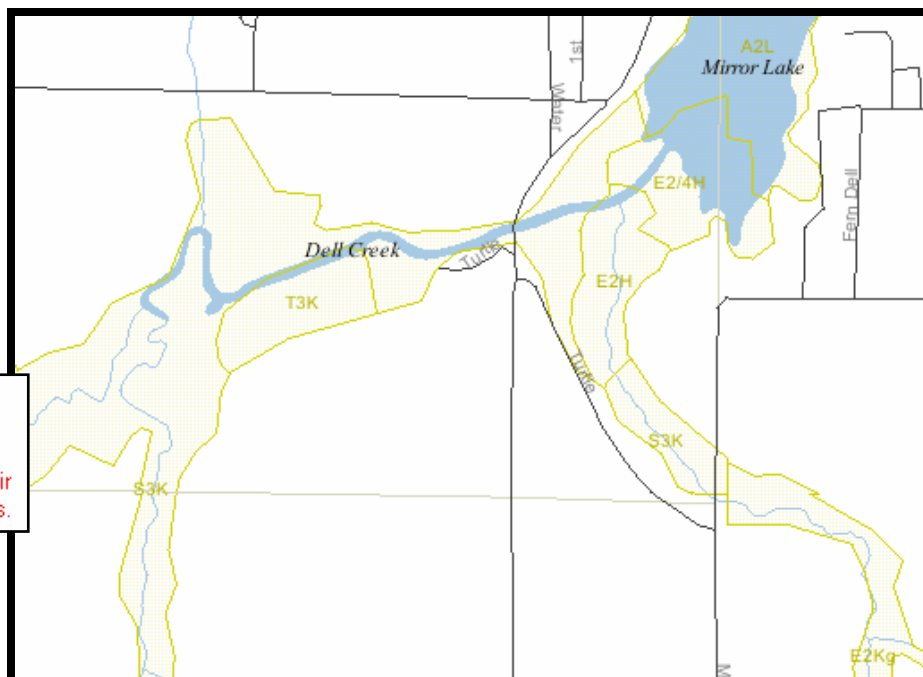
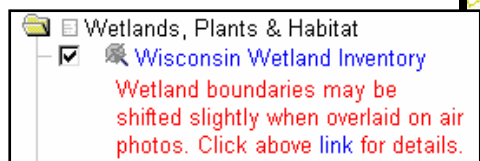
**Identify Results**

**Coordinate Position**  
**Lat/Lon:** 43° 34' 54" N, 89° 49' 57" W  
**Decimal Lon/Lat:** -89.814710, 43.581540  
**UTM 16N:** 272740, 4929247  
**WTM91 (x,y):** 514959, 245412  
**Cities and Villages**  
**MCD FIPS Code:** 41300  
**Name:** Lake Delton  
**City Class Code:** 0  
**Area (Sq. Miles):** 6.71  
**MCD Type Code:** V  
**Erosion Control General Permit Availability**  
**Ecoregion:** Driftless Area and Prairie Pothole Region  
**Watershed Land Use:** Non-urban  
**City or Village?:** City or village  
**Potential GP Availability:** Bio Stabilization, Integrated Bank Treatment, Replacement of Seawall or RipRap Bank Erosion Control Structure with Integrated Bank Treatment or Bio Stabilization, Repair of RipRap Bank Erosion Control Structure  
**County Boundaries**  
**Name:** Rusk  
**County FIPS Code:** 111  
**DNR County Code:** 57  
**DNR Region:** South Central Region

**Erosion Control General Permit Availability**  
**Ecoregion:** Driftless Area and Prairie Pothole Region  
**Watershed Land Use:** Non-urban  
**City or Village?:** City or village  
**Potential GP Availability:** Bio Stabilization, Integrated Bank Treatment, Replacement of Seawall or RipRap Bank Erosion Control Structure with Integrated Bank Treatment or Bio Stabilization, Repair of RipRap Bank Erosion Control Structure

## Wisconsin Wetland Inventory

Wetlands for many counties are now available on the viewer. Be sure to read the *disclaimer* for details and limitations of the data.



### Wisconsin Wetland Inventory Disclaimer

Wisconsin Wetland Inventory (WWI) maps show graphic representations of the type, size and location of wetlands in Wisconsin. These maps have been prepared from the analysis of high altitude imagery in conjunction with soil surveys, topographic maps, previous wetland inventories and field work.

State statutes define a wetland as "an area where water is at, near or above the land surface long enough to be capable of supporting aquatic or hydrophytic vegetation and which has soils indicative of wet conditions."

The principal focus of the WWI is to produce wetland maps that are graphic representations of the type, size and location of wetlands in Wisconsin. Within this context, the objective of the WWI is to produce reconnaissance level information on the location, type, size of these habitats such that they are accurate at the nominal scale of the 1:24,000 (1 inch = 2000 feet) base map. The DNR recognizes the limitations of using remotely sensed information as the primary data source. They are to be used as a guide for planning purposes.

There is no attempt, in either the design or products of this inventory, to define the limits of jurisdiction of any Federal, State, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, State, or local agencies concerning specified agency regulatory programs and jurisdictions that may affect such activities. The most accurate method of determining the legal extent of a wetland for federal or state regulations is a field delineation of the wetland boundary by a professional trained in wetland delineation techniques.

Please review the Digital Wisconsin Wetland Inventory status map found at:  
[http://dnr.wi.gov/water/fhp/wetlands/documents/Digital Wetland Status Map.pdf](http://dnr.wi.gov/water/fhp/wetlands/documents/Digital%20Wetland%20Status%20Map.pdf).

This map will tell you which counties were mapped using orthophotography and which counties were not. The digital wetland data is only meant to be a guide.

## Grant Locations, Descriptions and Final Reports Online!

You can now access the state's Rivers, Lakes and TRM grant data online! Simply turn "on" the grant layer you wish to view, then go to your area of interest. Click "identify" for more information.



If a final report or other document is available electronically for the grant of interest, it will be "downloadable" from the "more detail" area. The example above shows that the final report for the Barron County Lakes grant is available in a PDF format. Below is the report that you can read once you click on the hyperlink:

Address: <http://dnrmaps.wisconsin.gov/imf/imf.jsp?ct=SurfaceWaterViewer>

Project Description:  
Barron County proposes to create a database of information on the county's lakes. A document will be produced suitable for the public's use that includes information about each lake. They will also classify the county's lakes according to land uses- water quality and sensitivity to development.

Documents:  
[BARRON COUNTY LAKES DATA COLLECTION AND CLASSIFICATION](#)

WTM91 (x,y): 394854, 551560  
Lake Grant Areas  
[More Detail](#)  
Grant Type: LAKE\_GRANT  
Grant Name: AEPP-021-06  
Start Date: Apr 1, 2006  
Status: Complete  
Description: Barron County Aquatic Invasive Species Project  
Category: Aquatic Invasives education, prevention & planning  
End Date: Dec 31, 2006  
[More Detail](#)  
Grant Type: LAKE\_GRANT  
Grant Name: LPL-362  
Start Date: Mar 28, 1996  
Status: Complete  
Description: Barron County Lakes Data Collection and Classification  
Category: Large Scale Lake Planning Grant  
End Date: Jun 30, 1997



Barron County proposes to create a database of information on the county's lakes document will be produced suitable for the public's use that includes information : each lake. They will also classify the county's lakes according to land uses- water and sensitivity to development.

### Documents:

- [BARRON COUNTY LAKES DATA COLLECTION AND CLASSIFICATION](#)

